

RECEIVED
CENTRAL FAX CENTER

DEC 16 2004

From:
Dr. Stanley E. Woodard
P. O. Box 7976
Hampton, VA 23666
ph (757) 864-4346

To: United States Patent and Trademark Office
Ph (571) 272-2600
Fax (703) 872-9306

The are 17 pages attached to this fax

EST AVAILABLE COPY

Dr. Stanley E. Woodard
P. O. Box 7976
Hampton, VA 23666
ph (757) 864-4346

Dec 16, 2004

Subject: Notice of Non-Compliant Amendment for U. S. Patent Application No. 09/753,370 entitled "Piezoelectric Transducer for Vibrational Alert and Sound in a Personal Communication Device" dated Dec 13, 2004

Enclosed are amendment documents filed on Aug 4, 2004, revised claims with status identifiers and current abstract. The current abstract is the same as that filed on Aug 4, 2004. The documents filed on Aug 4, 2004 include an amendment, a check for \$55.00 for extension for response within first month (small entity), Assertion of Small Entity Status, certificate of mailing, revised claims and revised abstract.

In response to Office Action, dated June 1, 2004, the following are selected for patent examination.

Group II, Claims 31-49 is elected.
Species I, Fig. 1, is selected
Species 3, Fig 11 and 12, is selected
Species A, Fig 13A-13C, is selected
Species B1, figs 19 and 20

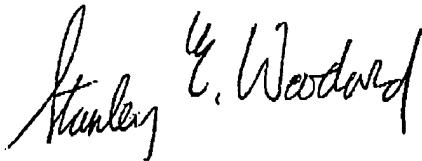
All correspondence or inquiries in regards to this patent can use phone number or address above.

Figs 19 and 20 are not an acoustic board. Fig 19 is cross-section of an acoustic member when unitary construction is used to form member. Fig 20 is planform of T-shaped piezoelectric transducer with neck region showing multiple acoustic members placed on a surface of the piezoelectric transducer.

Application of dampening material on surface of transducer increases vibration decay regardless of planform geometry. Increased decay rate enhances quality of audio sound output. Hence, this should be considered a generic claim.

Affixing an acoustic member to the anti-node of the vibrating piezoelectric transducer produces modifies audio output by increasing volume in acoustic member resonant frequency. This is true regardless of transducer planform. This should also be a generic claim.

Claims have been revised and are attached to this document. There are 21 claims. Claims 1-30, 34, 35, 37, 40, 45 and 51-71 of the original application have been withdrawn. The original claim 31 is currently amended to be claim 1. Claim 16 is a currently amended original claim 33.



Dr. Stanley E. Woodard

2/17

The following are copies of documents filed August 4, 2004

8/17

Dr. Stanley E. Woodard
P. O. Box 7976
Hampton, VA 23666
ph (757) 864-4346

July 31, 2004

Subject: Response to Office Action for U. S. Patent Application No. 09/753,370 entitled "Piezoelectric Transducer for Vibrational Alert and Sound in a Personal Communication Device" dated June 1, 2004

Enclosed are fee of \$55.00 for extension for response within first month (small entity), Assertion of Small Entity Status, certificate of mailing, revised claims and revised abstract.

In response to Office Action, dated June 1, 2004, the following are selected for patent examination.

Group II, Claims 31-49 is elected.
Species I, Fig. 1, is selected
Species 3, Fig 11 and 12, is selected
Species A, Fig 13A-13C, is selected
Species B1, figs 19 and 20

All correspondence or inquiries in regards to this patent can use phone number or address above.

Figs 19 and 20 are not an acoustic board. Fig 19 is cross-section of an acoustic member when unitary construction is used to form member. Fig 20 is planform of T-shaped piezoelectric transducer with neck region showing multiple acoustic members placed on a surface of the piezoelectric transducer.

9/17

Application of dampening material on surface of transducer increases vibration decay regardless of planform geometry. Increased decay rate enhances quality of audio sound output. Hence, this should be considered a generic claim.

Affixing an acoustic member to the anti-node of the vibrating piezoelectric transducer produces modifies audio output by increasing volume in acoustic member resonant frequency. This is true regardless of transducer planform. This should also be a generic claim.

Claims have been revised and are attached to this document. There are 17 claims.

Stanley E. Woodard

Dr. Stanley E. Woodard

FILED AUG 4, 2004

10/17

Dr. Stanley E. Woodard
P. O. Box 7976
Hampton, VA 23666

July 31, 2004

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to "U. S. Department of Commerce, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450" on July 31, 2004.

Stanley E Woodard

Dr. Stanley E. Woodard

15/17

FILED AUG 4, 2004

Dr. Stanley E. Woodard
P. O. Box 7976
Hampton, VA. 23666

July 30, 2004

Subject: Assertion of Entitlement of Small Entity Status in Regards to U. S. Patent Application No. 09/753,370

I hereby assert entitlement of small entity status in regards to U. S. Patent Application No. 09/753,370. I hereby assert that I am a small entity. NASA has assigned rights of invention application No. 09/753,370 to me. In regards to this patent, my status is that of an individual. I am a co-inventor of subject patent application.

Stanley E Woodard 7/30/04

Dr. Stanley E. Woodard

16/17

FILED AUG 4, 2004

STANLEY E. WOODARD P.O. BOX 7978 HAMPTON, VA 23666-0978		1/87	1217
Pay to the Order of <u>DIRECTOR OF THE U.S. PATENT AND TRADEMARK OFFICE</u>		Date <u>7/30/04</u>	88-8073/2614
<u>Langley</u> Federal Credit Union, Hampton, Virginia 23666		\$ <u>55.00</u>	
for <u>09/153/390</u>			
⑆251480738⑆ 110001552368⑆ 1217			

17/17

**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ **BLACK BORDERS**
- ☐ **IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**
- ☐ **FADED TEXT OR DRAWING**
- ☐ **BLURRED OR ILLEGIBLE TEXT OR DRAWING**
- ☐ **SKEWED/SLANTED IMAGES**
- ☐ **COLOR OR BLACK AND WHITE PHOTOGRAPHS**
- ☐ **GRAY SCALE DOCUMENTS**
- ☒ **LINES OR MARKS ON ORIGINAL DOCUMENT**
- ☐ **REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**
- ☐ **OTHER:** _____

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.